

## PATENT ASSIGNMENT

Electronic Version v1.1  
 Stylesheet Version v1.1

SUBMISSION TYPE:	CORRECTIVE ASSIGNMENT										
NATURE OF CONVEYANCE:	Corrective Assignment to correct the assignee's city previously recorded on Reel 031246 Frame 0157. Assignor(s) hereby confirms the assignment of the entire interest.										
CONVEYING PARTY DATA											
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Paul F. Keusenkothen</td> <td>08/23/2013</td> </tr> <tr> <td>Frank Hershkowitz</td> <td>08/27/2013</td> </tr> </tbody> </table>		Name	Execution Date	Paul F. Keusenkothen	08/23/2013	Frank Hershkowitz	08/27/2013				
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Paul F. Keusenkothen	08/23/2013										
Frank Hershkowitz	08/27/2013										
RECEIVING PARTY DATA											
<table border="1"> <tr> <td>Name:</td> <td>ExxonMobil Chemical Patents Inc.</td> </tr> <tr> <td>Street Address:</td> <td>13501 Katy Freeway</td> </tr> <tr> <td>City:</td> <td>Houston</td> </tr> <tr> <td>State/Country:</td> <td>TEXAS</td> </tr> <tr> <td>Postal Code:</td> <td>77079</td> </tr> </table>		Name:	ExxonMobil Chemical Patents Inc.	Street Address:	13501 Katy Freeway	City:	Houston	State/Country:	TEXAS	Postal Code:	77079
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State/Country:	TEXAS										
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PROPERTY NUMBERS Total: 1											
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13994220</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13994220						
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CORRESPONDENCE DATA											
Fax Number: 2818347413 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i> Phone: 281-834-0109 Email: catherine.a.haynes@exxonmobil.com Correspondent Name: ExxonMobil Chemical Company Address Line 1: P.O. Box 2149 Address Line 4: Baytown, TEXAS 77522-2149											
ATTORNEY DOCKET NUMBER:	2011EM027/2										
NAME OF SUBMITTER:	Gerard J. Hughes, Reg. No. 41855										
Signature:	/Gerard J. Hughes /										

Date:

09/24/2013

**Total Attachments: 4**

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## ASSIGNMENT

INVENTOR(S):

Paul F. Keusenkothen

Frank Hershkowitz

In consideration of One Dollar (\$1.00) and other good and valuable consideration, the receipt of and/or promise of payment which is hereby acknowledged, the undersigned person(s) named above, herein referred to as UNDERSIGNED, hereby agree(s) as follows:

- 1) UNDERSIGNED hereby assign(s) to ExxonMobil Chemical Patents Inc., a corporation of Delaware, its successors, legal representatives and assigns, herein referred to collectively as ASSIGNEE, the entire right, title and interest, for the United States and all foreign countries, in and to UNDERSIGNED'S invention or improvement and to all patent applications and patents covering same which is described in a patent application entitled:

**"Method And Apparatus for Converting Hydrocarbons Into Olefins"**

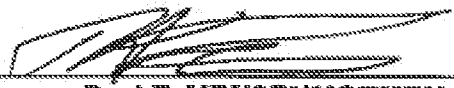
and being further identified as USSN Application No.: 13/994,220; Atty. Docket No. 2011EM027/2, filed, June 14, 2013, and all rights of priority created by said application under provisions of international conventions or treaties.

- 2) UNDERSIGNED agree(s) upon the request of ASSIGNEE to execute any and all applications for and documents relating to obtaining patents and the prosecution thereof for said invention or improvement, and any continuations of such applications or substitutes therefore or registrations thereof, and any specific separate assignments of any of the above required for recording in the United States Patent and Trademark Office and any foreign patent office that ASSIGNEE may deem necessary or expedient.
- 3) UNDERSIGNED agree(s) that in the event of any application based on said assigned invention or improvement, or patent issued thereon, or any reissue or application for the reissue thereof, becoming involved in priority of invention proceedings, UNDERSIGNED will cooperate with ASSIGNEE to the best of the ability of UNDERSIGNED in the matter of preparing and executing all documents and giving and producing evidence in support thereof.
- 4) UNDERSIGNED agree(s) to perform upon ASSIGNEE's request any and all affirmative acts to obtain United States and foreign patents covering said invention or improvement and to vest all rights therein hereby conveyed to ASSIGNEE, as fully and as entirely as the same would have been held and enjoyed by UNDERSIGNED if this assignment and sale had not been made.
- 5) UNDERSIGNED hereby authorize(s) ASSIGNEE's attorney to insert at paragraph 1, in this instrument the date on which the above-referenced patent application was filed, as well as the application number thereof when known.

ASSIGNMENT (Cont'd.)

IN WITNESS WHEREOF, this assignment has been executed by UNDERSIGNED on the date opposite UNDERSIGNED'S NAME.

DATE 8/25/13

  
Paul F. KEUSENKOTHERN (Inventor)

Meha Lungta  
Witness (Print Name)

Meha Lungta  
Witness (Signature)

DATE \_\_\_\_\_

\_\_\_\_\_  
Frank HERSHKOWITZ (Inventor)

\_\_\_\_\_  
Witness (Print Name)

\_\_\_\_\_  
Witness (Signature)

## ASSIGNMENT

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Paul F. Keusenkothen

Frank Hershkowitz

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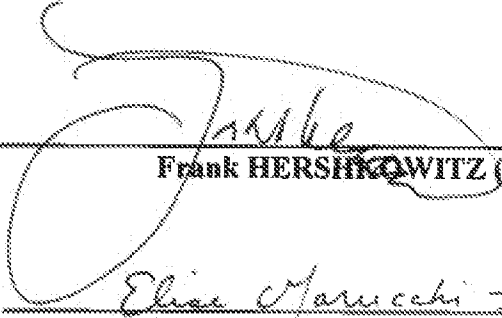
\_\_\_\_\_  
Paul F. KEUSENKOTHEN (Inventor)

\_\_\_\_\_  
Witness (Print Name)

\_\_\_\_\_  
Witness (Signature)

DATE

Aug 27, 2013

  
Frank HERSHKOWITZ (Inventor)

Elise Porucchi-Soo

\_\_\_\_\_  
Witness (Print Name)

Elise Porucchi-Soo

\_\_\_\_\_  
Witness (Signature)